

Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	2.00
Secretarial - Clerical Amount	\$34,414
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$602,910
C. Fringe Benefits	\$202,948
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$805,858
D. Equipment	\$0
E. Travel	
Domestic	\$20,000
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$28,800
Participant Support Costs Travel	\$2,400
Participant Support Costs Subsistence	\$22,400
Participant Support Costs Other	\$0
Total Number of Participants	108.00
<i>Total Participant Costs (F)</i>	\$53,600
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$30,000
<i>Total Other Direct Costs (G)</i>	\$30,000
H. Total Direct Costs (A Through G)	\$909,458
I. Indirect Costs*	\$590,542
J. Total Direct and Indirect Costs (H + I)	\$1,500,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$1,500,000
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
Indirect Costs (IDC/F&A)	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2303681

Managing Division Abbreviation: TI

Amendment Number: 001

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: Supplement

Amendment Date: 03/28/2024

Amendment Number: 001

Proposal Number: 2422994

Amendment Description:

The purpose of this amendment is to:

- Add supplemental support to the award in the amount shown below in the Funding Information section.

This award is subject to the provisions of NSF 24-047, NSF Innovation Corps (I-Corps™) Training for Pathways to Enable Open-Source Ecosystems (POSE) Phase II Recipients), Dear Colleague Letter.

Except as modified by this amendment, the award conditions remain unchanged.

AWARD INFORMATION

Award Number (FAIN): 2303681

Award Instrument: Standard Grant

Award Date: 08/08/2023

Award Period of Performance: Start Date: 08/15/2023 End Date: 07/31/2025

Project Title: POSE: Phase II: Building the Differential Privacy Ecosystem through OpenDP

Managing Division Abbreviation: TI

Research and Development Award: Yes

Funding Opportunity: NSF 22-572 Pathways to Enable Open-Source Ecosystems

Assistance Listing Number(s) and Name(s): 47.084 NSF Technology, Innovation and Partnerships
(See Amendment 000 for source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$20,000
Total Intended Award Amount: \$1,500,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$1,520,000

PROJECT PERSONNEL

Principal Investigator:	[REDACTED]	Email:	[REDACTED]	Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE
co-Principal Investigator:	[REDACTED]	Email:	[REDACTED]	Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE
co-Principal Investigator:	[REDACTED]	Email:	[REDACTED]	Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official (Primary Contact) Name: Austin Torretti Email: atorrett@nsf.gov Phone: (703) 292-4371	Awarding Official Name: Austin Torretti Email: atorrett@nsf.gov	Managing Program Officer Name: Peter S. Atherton Email: patherto@nsf.gov Phone: (703) 292-8772
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GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar	0.00

Months	
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$0
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	2.00
Other Professionals Calendar Months	1.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$4,973
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$4,973
C. Fringe Benefits	\$1,655
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$6,628
D. Equipment	\$0
E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0

Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$5,206
<i>Total Other Direct Costs (G)</i>	\$5,206
H. Total Direct Costs (A Through G)	\$11,834
I. Indirect Costs*	\$8,166
J. Total Direct and Indirect Costs (H + I)	\$20,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$20,000
M. Cost Sharing Proposed Level	\$0

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2303835

Managing Division Abbreviation: DEB

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 05/07/2024

Amendment Number: 000

Proposal Number: 2303835

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above as modified by revised budget dated 02/15/2024.

Funds provided for participant support may not be diverted by the awardee to other categories of expense without the prior written approval of the cognizant NSF Program Officer. Since participant support cost is not a normal account classification, the awardee organization must be able to separately identify participant support costs. It is highly recommended that separate accounts, sub-accounts, sub-task, or sub-ledgers be established to accumulate these costs. The awardee should have written policies and procedures to segregate participant support costs.

It is the grantee's responsibility to ensure that any vertebrate animal work conducted under this award has Institutional Animal Care and Use Committee (IACUC) approval, where required, that the approval be from an organization that has a current Public Health Service-approved Animal Welfare Assurance, and that such approval remains valid at all times that vertebrate animal work is conducted under the award. See the NSF PAPPG Chapter II.D.4, for additional information. This condition extends to vertebrate animal work funded via use of a subaward. Failure to comply with this condition will result in suspension and/or termination of the award.

AWARD INFORMATION

Award Number (FAIN): 2303835

Award Instrument: Continuing Grant

Award Date: 05/07/2024

Award Period of Performance: Start Date: 05/01/2024 End Date: 04/30/2028

Project Title: Collaborative Research: Feedbacks among Ecosystem Engineers and their Influence on Ecosystem Functioning

Managing Division Abbreviation: DEB

Research and Development Award: Yes

Funding Opportunity: NSF 22-541 Division of Environmental Biology (core programs)

Assistance Listing Number(s) and Name(s): 47.074 Biological Sciences (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$272,752

Total Intended Award Amount: \$1,199,994

Total Approved Cost Share or Matching Amount: \$0

Total Amount Obligated to Date: \$272,752

Expenditure Limitation: Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2025	\$304,257
2026	\$622,985

PROJECT PERSONNEL

Principal Investigator:

Email:

Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

COLLABORATIVE INFORMATION

Proposal ID	Lead	PI Name	Organization
2303835	Y		Harvard College, President & Fellows of Harvard University
2303836	N		Trustees of Princeton University

NSF CONTACT INFORMATION

Managing Grants**Official** (Primary Contact)**Name:** Sharon D. Glivens**Email:** sglivens@nsf.gov**Phone:** (703) 292-7837**Awarding Official****Name:** Vanessa L. Richardson**Email:** vlrichar@nsf.gov**Managing Program Officer****Name:** Jeremy Wojdak**Email:** jwojdak@nsf.gov**Phone:** (703) 292-8781**GENERAL TERMS AND CONDITIONS**

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-541 Division of Environmental Biology (core programs).

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	1.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$12,566
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00

Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$12,566
C. Fringe Benefits	\$2,777
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$15,343
D. Equipment	\$26,667
E. Travel	
Domestic	\$0
International	\$14,866
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$1,600
Participant Support Costs Other	\$0
Total Number of Participants	50.00
<i>Total Participant Costs (F)</i>	\$1,600
G. Other Direct Costs	
Materials Supplies	\$89,627
Publication Costs	\$0
Consultant Services	\$63,340
Computer Services	\$0
Subawards	\$0
Other	\$10,860
<i>Total Other Direct Costs (G)</i>	\$163,827
H. Total Direct Costs (A Through G)	\$222,303

I. Indirect Costs*	\$50,449
J. Total Direct and Indirect Costs (H + I)	\$272,752
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$272,752
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	26.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2303835

Managing Division
Abbreviation: DEB

Amendment Number: 002

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: Other Admin No Fund Actions

Amendment Date: 02/20/2025

Amendment Number: 002

Proposal Number: Not Applicable

Amendment Description:

The purpose of this amendment is to authorize the awardee to enter into the proposed subaward agreement in accordance with the Subawarding, Transferring or Contracting Out Part of an NSF Award request submitted on 02/04/2025.

The subaward agreement should contain appropriate provisions in accordance with the award terms and conditions in effect at the time of this award amendment, and contain any special conditions included in this award.

Except as modified by this amendment, the award conditions remain unchanged.

PROJECT PERSONNEL

Principal Investigator:

[REDACTED]

Email:

[REDACTED]

Organization:
PRESIDENT AND
FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)
Name: Sharon D. Glivens

Awarding Official
Name: Sharon D. Glivens
Email: sglivens@nsf.gov

Managing Program Officer
Name: Jeremy M Wojdak

Email: sglivens@nsf.gov
Phone: (703) 292-7837

Email: jwojdak@nsf.gov
Phone: (703) 292-8781

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2303983

Managing Division Abbreviation: CCF

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 04/03/2023

Amendment Number: 000

Proposal Number: 2303983

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above as modified by revised budget dated 03/15/2023.

AWARD INFORMATION

Award Number (FAIN): 2303983

Award Instrument: Standard Grant

Award Date: 04/03/2023

Award Period of Performance: Start Date: 07/01/2023 End Date: 06/30/2025

Project Title: SHF:Small: Extensible Models and Proofs via Family Polymorphism

Managing Division Abbreviation: CCF

Research and Development Award: Yes

Funding Opportunity: NSF 22-631 Computer and Information Science and Engineering (CISE): Core Programs

Assistance Listing Number(s) and Name(s): 47.070 Computer and Information Science and Engineering (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$396,914
Total Intended Award Amount: \$396,914
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$396,914
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: [REDACTED] **Email:** [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
 (Primary Contact)
Name: Sharon D. Glivens
Email: sglivens@nsf.gov
Phone: (703) 292-7837

Awarding Official
Name: Jannele L. Gosey
Email: jgosey@nsf.gov

Managing Program Officer
Name: Damian Dechev
Email: ddechev@nsf.gov
Phone: (703) 292-8910

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-631 Computer and Information Science and Engineering (CISE): Core Programs.

BUDGET

A. Senior Personnel	
Senior Personnel Count	2.00
Senior Personnel Calendar Months	2.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$30,132

B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	4.00
Graduate Students Amount	\$154,638
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$184,770
C. Fringe Benefits	\$6,478
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$191,248
D. Equipment	\$0
E. Travel	
Domestic	\$9,000
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0

Total Number of Participants	0.00
Total Participant Costs (F)	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$58,494
Total Other Direct Costs (G)	\$58,494
H. Total Direct Costs (A Through G)	\$258,742
I. Indirect Costs*	\$138,172
J. Total Direct and Indirect Costs (H + I)	\$396,914
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$396,914
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
Modified Total Direct Costs	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2304877

Managing Division Abbreviation: DMS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 07/17/2023

Amendment Number: 000

Proposal Number: 2304877

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above as modified by revised budget dated 07/12/2023.

AWARD INFORMATION

Award Number (FAIN): 2304877

Award Instrument: Standard Grant

Award Date: 07/17/2023

Award Period of Performance: Start Date: 09/01/2023 End Date: 08/31/2026

Project Title: Instanton homology in low-dimensional topology

Managing Division Abbreviation: DMS

Research and Development Award: Yes

Funding Opportunity: PD 22-1265 Geometric Analysis

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$400,000

Total Intended Award Amount: \$400,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$400,000
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: [REDACTED] **Email:** [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
 (Primary Contact)
Name: Lynda Kummelt
Email: lkummelt@nsf.gov
Phone: (703) 292-7721

Awarding Official
Name: Lynda Kummelt
Email: lkummelt@nsf.gov

Managing Program Officer
Name: Swatee Naik
Email: snaik@nsf.gov
Phone: (703) 292-4876

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	3.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$81,714
B. Other Personnel	
Post Doctoral Scholars	

Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	6.00
Graduate Students Amount	\$137,404
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$219,118
C. Fringe Benefits	\$17,568
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$236,686
D. Equipment	\$0
E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0

G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$0
<i>Total Other Direct Costs (G)</i>	\$0
H. Total Direct Costs (A Through G)	\$236,686
I. Indirect Costs*	\$163,314
J. Total Direct and Indirect Costs (H + I)	\$400,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$400,000
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2305257

Managing Division Abbreviation: DMS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 07/17/2023

Amendment Number: 000

Proposal Number: 2305257

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2305257

Award Instrument: Standard Grant

Award Date: 07/17/2023

Award Period of Performance: Start Date: 08/01/2023 End Date: 07/31/2026

Project Title: Fukaya categories of complex symplectic manifolds

Managing Division Abbreviation: DMS

Research and Development Award: Yes

Funding Opportunity: PD 22-1267 Topology

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$194,865

Total Intended Award Amount: \$194,865
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$194,865
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator:

[REDACTED]

Email:

[REDACTED]

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official

(Primary Contact)

Name: Lynda Kummelt

Email: lkummelt@nsf.gov

Phone: (703) 292-7721

Awarding Official

Name: Lynda Kummelt

Email: lkummelt@nsf.gov

Managing Program Officer

Name: Swatee Naik

Email: snaik@nsf.gov

Phone: (703) 292-4876

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	6.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$61,762
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00

Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$61,762
C. Fringe Benefits	\$13,650
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$75,412
D. Equipment	\$0
E. Travel	
Domestic	\$10,200
International	\$30,000
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	

Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$0
<i>Total Other Direct Costs (G)</i>	\$0
H. Total Direct Costs (A Through G)	\$115,612
I. Indirect Costs*	\$79,253
J. Total Direct and Indirect Costs (H + I)	\$194,865
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$194,865
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2305257

Managing Division
Abbreviation: DMS

Amendment Number: 001

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE
Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369
Official Recipient Email Address: [REDACTED]
Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: Other Admin No Fund Actions
Amendment Date: 09/12/2023
Amendment Number: 001
Proposal Number: Not Applicable
Amendment Description:

The purpose of this amendment is to change the PI or co-PI in accordance with the Change PI and Add/Change Co-PI request submitted on 09/11/2023. Effective with this amendment, the project is now under the direction of [REDACTED]

Except as modified by this amendment, the award conditions remain unchanged.

PROJECT PERSONNEL

Principal Investigator:

[REDACTED]

Email:

[REDACTED]

Organization:
PRESIDENT AND
FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)
Name: Lynda Kummelt
Email: lkummelt@nsf.gov
Phone: (703) 292-7721

Awarding Official
Name: Aprile N Roberson
Email: aroberso@nsf.gov

Managing Program Officer
Name: Swatee Naik
Email: snaik@nsf.gov
Phone: (703) 292-4876

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2305373

Managing Division Abbreviation: DMS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 08/14/2023

Amendment Number: 000

Proposal Number: 2305373

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above as modified by revised budget dated 07/28/2023.

AWARD INFORMATION

Award Number (FAIN): 2305373

Award Instrument: Standard Grant

Award Date: 08/14/2023

Award Period of Performance: Start Date: 09/01/2023 End Date: 08/31/2026

Project Title: Applications of homotopy theory to algebraic geometry and physics

Managing Division Abbreviation: DMS

Research and Development Award: Yes

Funding Opportunity: PD 22-1267 Topology

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$550,000

Total Intended Award Amount: \$550,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$550,000
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator:

Email:

Organization:

PRESIDENT AND
FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)

Name: Lynda Kummelt
Email: lkummelt@nsf.gov
Phone: (703) 292-7721

Awarding Official

Name: Lynda Kummelt
Email: lkummelt@nsf.gov

Managing Program Officer

Name: Christopher W. Stark
Email: cstark@nsf.gov
Phone: (703) 292-4869

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	3.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$116,094
B. Other Personnel	

Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	12.00
Graduate Students Amount	\$139,390
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$255,484
C. Fringe Benefits	\$24,960
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$280,444
D. Equipment	\$0
E. Travel	
Domestic	\$15,000
International	\$30,000
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00

<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$0
<i>Total Other Direct Costs (G)</i>	\$0
H. Total Direct Costs (A Through G)	\$325,444
I. Indirect Costs*	\$224,556
J. Total Direct and Indirect Costs (H + I)	\$550,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$550,000
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2306149

Managing Division Abbreviation: BCS

Amendment Number: 000

ORIGINAL AWARD INFORMATION

Recipient (Legal Business Name): UNIVERSITY OF DELAWARE

Recipient Address: 220 HULLIHEN HALL NEWARK, DE 19716-0099

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): T72NHKM259N3

Award Number (FAIN): 2018003

Award Period of Performance: Start Date: 09/01/2020 End Date: 02/29/2024

Revised End Date: 12/31/2022

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: PI Transfer

Amendment Date: 11/16/2022

Amendment Number: 000

Proposal Number: 2306149

Amendment Description:

The award transfer referenced in this notice has been approved by NSF. Acceptance of this transfer award constitutes the recipient organization's agreement to assume responsibility for completion of the project effort and to administer the award from the agreed upon transfer date, noted on the NSF Grant Transfer Request, to completion of the project in accordance with any award-specific terms and conditions and the general terms and conditions contained in this notice.

Incentive payments or gifts to participants must be made in accordance with written institutional policies and procedures and supported by auditable documentation. The allowability of these costs will ultimately be based on the awardee institution's ability to adequately demonstrate that the incentives have been disbursed in accordance with its policies and procedures.

The Foundation authorizes the awardee to enter into the proposed subaward arrangement. The subaward agreement should contain appropriate provisions in accordance with the award terms and conditions in

effect at the time of this award amendment, and contain any special conditions included in this award.

AWARD INFORMATION

Award Number (FAIN): 2306149

Award Instrument: Standard Grant

Award Date: 11/16/2022

Award Period of Performance: Start Date: 10/01/2022 End Date: 05/31/2024

Project Title: Speech and Communicative Timing Across Languages and Linguistic Contexts

Managing Division Abbreviation: BCS

Research and Development Award: Yes

Funding Opportunity: PD 98-1311 Linguistics

Assistance Listing Number(s) and Name(s): 47.075 Social, Behavioral, and Economic Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$285,556

Total Intended Award Amount: \$389,254

Total Approved Cost Share or Matching Amount: \$0

Total Amount Obligated to Date: \$285,556

PROJECT PERSONNEL

Principal Investigator:

[REDACTED]

Email

[REDACTED]

Organization: UNIVERSITY
OF DELAWARE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)

Name: Tyffani N. Smith

Email: tnsmith@nsf.gov

Phone: (703) 292-7046

Awarding Official

Name: Tyffani N. Smith

Email: tnsmith@nsf.gov

Managing Program Officer

Name: Jorge Valdes Kroff

Email: jvaldesk@nsf.gov

Phone: (703) 292-7920

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/13/2022, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement

which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	0.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	2.00
Senior Personnel Amount	\$27,777
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	1.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	14.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$73,168
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	1.00
Undergraduate Students Amount	\$3,600
Secretarial - Clerical	
Secretarial - Clerical Count	1.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00

Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$104,545
C. Fringe Benefits	\$25,007
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$129,552
D. Equipment	\$0
E. Travel	
Domestic	\$5,368
International	\$26,500
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$10,042
Computer Services	\$0
Subawards	\$49,514
Other	\$10,713
<i>Total Other Direct Costs (G)</i>	\$70,269
H. Total Direct Costs (A Through G)	\$231,689
I. Indirect Costs*	\$53,866
J. Total Direct and Indirect Costs (H + I)	\$285,555
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$285,555
M. Cost Sharing Proposed Level	\$0

Total Amount of Request

The **Total Amount of Request** (Budget Line L) may differ from the **Amount Obligated by this Amendment** (Funding Information section) due to rounding. The **Amount Obligated by this Amendment** is the amount obligated in the NSF financial system for this award.

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	26.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2306149

Managing Division Abbreviation: BCS

Amendment Number: 001

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: Supplement

Amendment Date: 04/11/2024

Amendment Number: 001

Proposal Number: 2420376

Amendment Description:

The purpose of this amendment is to:

- Add supplemental support to the award in the amount shown below in the Funding Information section.

Except as modified by this amendment, the award conditions remain unchanged.

It is the grantee's responsibility to ensure that any human subjects work conducted under this award has an Institutional Review Board (IRB) approval, where required, and that such approval remains valid at all times that human subjects work is conducted under the award. Failure to comply with this condition will result in suspension and/or termination of the award.

AWARD INFORMATION

Award Number (FAIN): 2306149

Award Instrument: Standard Grant

Award Date: 11/16/2022

Award Period of Performance: Start Date: 10/01/2022 End Date: 05/31/2025

Project Title: Speech and Communicative Timing Across Languages and Linguistic Contexts

Managing Division Abbreviation: BCS

Research and Development Award: Yes

Funding Opportunity: PD 98-1311 Linguistics

Assistance Listing Number(s) and Name(s): 47.075 Social, Behavioral, and Economic Sciences (See Amendment 000 for source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$41,463
Total Intended Award Amount: \$389,254
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$327,019

PROJECT PERSONNEL

Principal Investigator:

Email:

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)

Name: Tyffani N. Smith

Email: tnsmith@nsf.gov

Phone: (703) 292-7046

Awarding Official

Name: Willie M. Powell

Email: wpowell@nsf.gov

Managing Program Officer

Name: Jorge Valdes Kroff

Email: jvaldesk@nsf.gov

Phone: (703) 292-7920

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	0.00
Senior Personnel Academic Months	0.00

Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$0
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	1.00
Post Doctoral Calendar Months	5.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$27,084
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$27,084
C. Fringe Benefits	\$5,823
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$32,907
D. Equipment	\$0
E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0

Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$0
<i>Total Other Direct Costs (G)</i>	\$0
H. Total Direct Costs (A Through G)	\$32,907
I. Indirect Costs*	\$8,556
J. Total Direct and Indirect Costs (H + I)	\$41,463
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$41,463
M. Cost Sharing Proposed Level	\$0

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2308043

Managing Division Abbreviation: AST

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 08/07/2023

Amendment Number: 000

Proposal Number: 2308043

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2308043

Award Instrument: Standard Grant

Award Date: 08/07/2023

Award Period of Performance: Start Date: 08/15/2023 End Date: 07/31/2026

Project Title: The Tierras Observatory: An Ultra-precise Time-series Photometer to Characterize Nearby Low-mass Stars and Their Terrestrial Exoplanets

Managing Division Abbreviation: AST

Research and Development Award: Yes

Funding Opportunity: NSF 22-624 Astronomy and Astrophysics Research Grants

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$537,856
Total Intended Award Amount: \$537,856
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$537,856
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator:

[REDACTED]

Email:

[REDACTED]

Organization:

PRESIDENT AND
FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official

(Primary Contact)

Name: Elizabeth

Gebremedhin

Email: egebreme@nsf.gov

Phone: (703) 292-4444

Awarding Official

Name: Elizabeth Gebremedhin

Email: egebreme@nsf.gov

Managing Program Officer

Name: Martin D. Still

Email: mstill@nsf.gov

Phone: (703) 292-4290

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-624 Astronomy and Astrophysics Research Grants.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	3.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00

Senior Personnel Amount	\$78,240
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	3.00
Post Doctoral Calendar Months	18.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$101,452
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	3.00
Graduate Students Amount	\$45,140
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$224,832
C. Fringe Benefits	\$42,959
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$267,791
D. Equipment	\$0
E. Travel	
Domestic	\$19,790
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0

Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$15,000
Publication Costs	\$7,797
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$13,317
<i>Total Other Direct Costs (G)</i>	\$36,114
H. Total Direct Costs (A Through G)	\$323,695
I. Indirect Costs*	\$214,161
J. Total Direct and Indirect Costs (H + I)	\$537,856
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$537,856
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2308272

Managing Division Abbreviation: OCE

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 07/19/2023

Amendment Number: 000

Proposal Number: 2308272

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

Funds provided for participant support may not be diverted by the awardee to other categories of expense without the prior written approval of the cognizant NSF Program Officer. Since participant support cost is not a normal account classification, the awardee organization must be able to separately identify participant support costs. It is highly recommended that separate accounts, sub-accounts, sub-task, or sub-ledgers be established to accumulate these costs. The awardee should have written policies and procedures to segregate participant support costs.

AWARD INFORMATION

Award Number (FAIN): 2308272

Award Instrument: Standard Grant

Award Date: 07/19/2023

Award Period of Performance: Start Date: 10/01/2023 End Date: 09/30/2025

Project Title: Postdoctoral Fellowship: OCE-PRF: Reconstructing CO2 Levels for the Late Cretaceous through Paleocene using Sedimentary Compositions of Molecular and Isotopic Proxies

Managing Division Abbreviation: OCE

Research and Development Award: Yes

Funding Opportunity: NSF 22-628 Ocean Sciences Postdoctoral Research Fellowships

Assistance Listing Number(s) and Name(s): 47.050 Geosciences (Predominant source of funding for

SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$333,652
Total Intended Award Amount: \$333,652
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$333,652
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator:

Email:

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)

Name: Willie M. Powell

Email: wpowell@nsf.gov

Phone: (703) 292-4583

Awarding Official

Name: Staci Jenkins

Email: sjenkins@nsf.gov

Managing Program Officer

Name: Timothy J Crone

Email: tjcrone@nsf.gov

Phone: (703) 292-4344

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-628 Ocean Sciences Postdoctoral Research Fellowships.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	24.00

Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$137,800
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$137,800
C. Fringe Benefits	\$29,627
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$167,427
D. Equipment	\$0
E. Travel	
Domestic	\$5,350
International	\$3,500
F. Participant Support Costs	
Participant Support Costs Stipends	\$0

Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$19,050
Publication Costs	\$1,600
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$500
<i>Total Other Direct Costs (G)</i>	\$21,150
H. Total Direct Costs (A Through G)	\$197,427
I. Indirect Costs*	\$136,225
J. Total Direct and Indirect Costs (H + I)	\$333,652
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$333,652
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

The indirect cost rate(s) for this award is/are not available. These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2309041

Managing Division Abbreviation: IIS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 09/14/2023

Amendment Number: 000

Proposal Number: 2309041

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above as modified by revised budget dated 08/02/2023.

It is the grantee's responsibility to ensure that any human subjects work conducted under this award has an Institutional Review Board (IRB) approval, where required, and that such approval remains valid at all times that human subjects work is conducted under the award. Failure to comply with this condition will result in suspension and/or termination of the award.

Incentive payments or gifts to participants must be made in accordance with written institutional policies and procedures and supported by auditable documentation. The allowability of these costs will ultimately be based on the awardee institution's ability to adequately demonstrate that the incentives have been disbursed in accordance with its policies and procedures.

Attribution of support in publications resulting from this project must acknowledge the NSF/NIH/DOE/AEI/ANR/BMBF/BSF/ISCI/NICT joint program, as well as the funding agency and award number, by including a phrase such as, "as part of the NSF/NIH/DOE/AEI/ANR/BMBF/BSF/ISCI/NICT Collaborative Research in Computational Neuroscience Program."

AWARD INFORMATION

Award Number (FAIN): 2309041

Award Instrument: Continuing Grant**Award Date:** 09/14/2023**Award Period of Performance:** Start Date: 10/01/2023 End Date: 09/30/2026**Project Title:** CRCNS Research Proposal: Learning by Looking: Modeling visual system representation formation via foveated sensing in a 3-D world**Managing Division Abbreviation:** IIS**Research and Development Award:** Yes**Funding Opportunity:** NSF 20-609 Collaborative Research in Computational Neuroscience**Assistance Listing Number(s) and Name(s):** 47.070 Computer and Information Science and Engineering (Predominant source of funding for SEFA reporting)**FUNDING INFORMATION****Amount Obligated by this Amendment:** \$1,031,036**Total Intended Award Amount:** \$1,189,997**Total Approved Cost Share or Matching Amount:** \$0**Total Amount Obligated to Date:** \$1,031,036**Expenditure Limitation:** Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2024	\$158,961

PROJECT PERSONNEL**Principal Investigator:****Email:****Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE**co-Principal Investigator:****Email:****Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE**co-Principal Investigator:****Email:****Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE**NSF CONTACT INFORMATION****Managing Grants Official**
(Primary Contact)**Name:** Tianay M. Robinson**Email:** trobinso@nsf.gov**Phone:** (703) 292-7859**Awarding Official****Name:** Tianay M. Robinson**Email:** trobinso@nsf.gov**Managing Program Officer****Name:** Kenneth C. Whang**Email:** kwhang@nsf.gov**Phone:** (703) 292-5149**GENERAL TERMS AND CONDITIONS**

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rte.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 20-609 Collaborative Research in Computational Neuroscience.

BUDGET

A. Senior Personnel	
Senior Personnel Count	6.00
Senior Personnel Calendar Months	1.50
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$60,359
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	4.00
Post Doctoral Calendar Months	36.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$271,119
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	2.00
Graduate Students Amount	\$87,358
Undergraduate Students	

Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$418,836
C. Fringe Benefits	\$71,268
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$490,104
D. Equipment	\$0
E. Travel	
Domestic	\$21,422
International	\$12,948
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$13,478
Publication Costs	\$7,948
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$83,913
<i>Total Other Direct Costs (G)</i>	\$105,339
H. Total Direct Costs (A Through G)	\$629,813
I. Indirect Costs*	\$401,223
J. Total Direct and Indirect Costs (H + I)	\$1,031,036
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$1,031,036
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

From: kwhang@nsf.gov
Reply To: kwhang@nsf.gov
To: [REDACTED]
CC: kwhang@nsf.gov; swolley@nsf.gov
Subject: NSF Approval of Continuing Grant Increment - Award ID - 2309041
Status: Sent on Sun 07/21/2024 02:06 PM

Notification of NSF Approval of Additional Funding Support

Award No. 2309041
Amendment No. 001
Division Identifier: IIS
Release Date: 07/21/2024
Released By: Kenneth Whang
Amount: \$158,961
Award End Date: 09/30/2026

As authorized by the original award, the National Science Foundation hereby releases \$158,961 for additional support of the award referenced above. The award, with this amendment, now totals \$1,189,997 and will end on 09/30/2026.

The attached budget indicates the amounts, by categories, on which NSF has based its continued support.

This award is subject to the terms and conditions referenced in the original award notice. The most current version of the terms and conditions can be accessed at: https://www.nsf.gov/awards/managing/award_conditions.jsp?org_NSF.

This award is subject to the Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards (Uniform Guidance). NSF's implementation of the Uniform Guidance is contained in the Grant Conditions referenced in this award.

Any technical or programmatic questions regarding this notification should be addressed to the cognizant NSF Program Officer: Kenneth Whang, kwhang@nsf.gov, (703)292-5149.

Any award specific questions of an administrative or financial nature should be addressed to the grants official at <http://www.nsf.gov/bfa/dga/docs/liaison.pdf>. The cognizant grants official can be identified by associating the three-letter division identifier referenced above with the grants official for that division on the liaison website.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2310050

Managing Division Abbreviation: PHY

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 07/19/2023

Amendment Number: 000

Proposal Number: 2310050

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above as modified by revised budget dated 06/20/2023.

AWARD INFORMATION

Award Number (FAIN): 2310050

Award Instrument: Standard Grant

Award Date: 07/19/2023

Award Period of Performance: Start Date: 08/01/2023 End Date: 07/31/2026

Project Title: Collaborative Research: Beyond Standard Model Searches Using the IceCube Neutrino Telescope

Managing Division Abbreviation: PHY

Research and Development Award: Yes

Funding Opportunity: NSF 21-593 Division of Physics: Investigator-Initiated Research Projects

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences

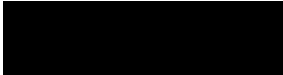
(Predominant source of funding for SEFA reporting), 47.078 Polar Programs

FUNDING INFORMATION

Amount Obligated by this Amendment: \$100,000
Total Intended Award Amount: \$100,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$100,000
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator:

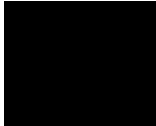
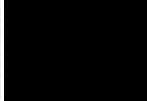


Email:



Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

COLLABORATIVE INFORMATION

Proposal ID	Lead	PI Name	Organization
2310050	Y		Harvard College, President & Fellows of Harvard University
2310051	N		Massachusetts Institute of Technology

NSF CONTACT INFORMATION

Managing Grants

Official (Primary Contact)

Name: Pamela V. Conyers

Email: pconyers@nsf.gov

Phone: (703) 292-5329

Awarding Official

Name: Pamela V. Conyers

Email: pconyers@nsf.gov

Managing Program Officer

Name: William Wester

Email: wwester@nsf.gov

Phone: (703) 292-4677

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 21-593 Division of Physics: Investigator-Initiated Research Projects.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	0.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$0
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	3.00
Graduate Students Amount	\$44,540
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$44,540

C. Fringe Benefits	\$0
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$44,540
D. Equipment	\$0
E. Travel	
Domestic	\$2,865
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$19,886
<i>Total Other Direct Costs (G)</i>	\$19,886
H. Total Direct Costs (A Through G)	\$67,291
I. Indirect Costs*	\$32,709
J. Total Direct and Indirect Costs (H + I)	\$100,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$100,000
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC On-Campus	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2310717

Managing Division Abbreviation: PHY

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: Renewal

Amendment Date: 08/01/2023

Amendment Number: 000

Proposal Number: 2310717

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above as modified by revised budget dated 07/12/2023.

AWARD INFORMATION

Award Number (FAIN): 2310717

Award Instrument: Standard Grant

Award Date: 08/01/2023

Award Period of Performance: Start Date: 08/01/2023 End Date: 07/31/2026

Project Title: New and Refurbished Directions Beyond the Standard Model

Managing Division Abbreviation: PHY

Research and Development Award: Yes

Funding Opportunity: NSF 21-593 Division of Physics: Investigator-Initiated Research Projects

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences

(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$300,000

Total Intended Award Amount: \$300,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$300,000
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: [REDACTED]

Email: [REDACTED]

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)

Name: Pamela V. Conyers

Email: pconyers@nsf.gov

Phone: (703) 292-5329

Awarding Official

Name: Pamela V. Conyers

Email: pconyers@nsf.gov

Managing Program Officer

Name: Keith Dienes

Email: kdienes@nsf.gov

Phone: (703) 292-5314

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 21-593 Division of Physics: Investigator-Initiated Research Projects.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	0.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$0
B. Other Personnel	

Post Doctoral Scholars	
Post Doctoral Count	3.00
Post Doctoral Calendar Months	25.40
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$141,671
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$141,671
C. Fringe Benefits	\$35,843
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$177,514
D. Equipment	\$0
E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00

<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$1
<i>Total Other Direct Costs (G)</i>	\$1
H. Total Direct Costs (A Through G)	\$177,515
I. Indirect Costs*	\$122,485
J. Total Direct and Indirect Costs (H + I)	\$300,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$300,000
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2310908

Managing Division
Abbreviation: RISE

Amendment Number: 003

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE
Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366
Official Recipient Email Address: [REDACTED]
Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: Other Admin No Fund Actions
Amendment Date: 02/20/2025
Amendment Number: 003
Proposal Number: Not Applicable
Amendment Description:

The purpose of this amendment is to change the PI or co-PI in accordance with the Withdrawal of PI/Co-PI request submitted on 02/14/2025. Effective with this amendment, the project is now under the direction of [REDACTED]

Except as modified by this amendment, the award conditions remain unchanged.

PROJECT PERSONNEL

Principal Investigator:

[REDACTED]

Email:

[REDACTED]

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)
Name: Angela A. Turner
Email: aturner@nsf.gov
Phone: (703) 292-7524

Awarding Official
Name: Shirley R. Kerchner
Email: skerchne@nsf.gov

Managing Program Officer
Name: Maria L Uhle
Email: muhle@nsf.gov
Phone: (703) 292-2250

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2310908

Managing Division Abbreviation: RISE

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 05/17/2023

Amendment Number: 000

Proposal Number: 2310908

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above.

No work with human subjects, including recruitment, may be conducted under this protocol or grant until IRB approval has been obtained.

AWARD INFORMATION

Award Number (FAIN): 2310908

Award Instrument: Continuing Grant

Award Date: 05/17/2023

Award Period of Performance: Start Date: 05/15/2023 End Date: 04/30/2026

Project Title: Belmont Forum Collaborative Research: Climate-Induced Migration in Africa and Beyond: Big Data and Predictive Analytics

Managing Division Abbreviation: RISE

Research and Development Award: Yes

Funding Opportunity: NSF 22-1 Proposal & Award Policies & Procedures Guide - PAPPG

Assistance Listing Number(s) and Name(s): 47.050 Geosciences (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$149,891
Total Intended Award Amount: \$450,001
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$149,891
Expenditure Limitation: Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2024	\$138,999
2025	\$161,111

PROJECT PERSONNEL**Principal Investigator:**

[REDACTED]

Email:

[REDACTED]

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

co-Principal Investigator:

[REDACTED]

Email

[REDACTED]

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION**Managing Grants Official**

(Primary Contact)

Name: Angela A. Turner**Email:** aturner@nsf.gov**Phone:** (703) 292-7524**Awarding Official****Name:** Willie M. Powell**Email:** wpowell@nsf.gov**Managing Program Officer****Name:** Maria L Uhle**Email:** muhle@nsf.gov**Phone:** (703) 292-2250**GENERAL TERMS AND CONDITIONS**

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	2.00
Senior Personnel Calendar Months	0.70
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$13,047
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	2.00
Other Professionals Calendar Months	5.65
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$48,447
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$61,494
C. Fringe Benefits	\$21,229
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$82,723
D. Equipment	\$0
E. Travel	
Domestic	\$0

International	\$3,970
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$2,000
<i>Total Other Direct Costs (G)</i>	\$2,000
H. Total Direct Costs (A Through G)	\$88,693
I. Indirect Costs*	\$61,198
J. Total Direct and Indirect Costs (H + I)	\$149,891
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$149,891
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2312667

Managing Division Abbreviation: CCF

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 08/30/2023

Amendment Number: 000

Proposal Number: 2312667

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above.

Fiscal Year 2023 and 2024 budgets have been combined in this award. It is still the grantee's responsibility to submit an annual project report in accordance with the award terms and conditions.

AWARD INFORMATION

Award Number (FAIN): 2312667

Award Instrument: Continuing Grant

Award Date: 08/30/2023

Award Period of Performance: Start Date: 10/01/2023 End Date: 09/30/2027

Project Title: Collaborative Research: CIF: Medium: Fundamental Limits of Privacy-Enhancing Technologies

Managing Division Abbreviation: CCF

Research and Development Award: Yes

Funding Opportunity: NSF 22-631 Computer and Information Science and Engineering (CISE): Core Programs

Assistance Listing Number(s) and Name(s): 47.070 Computer and Information Science and Engineering (Predominant source of funding for SEFA reporting)